

We claim:

1. A computer system comprising a server adapted to interface with a plurality of data storage devices, said computer system configured to migrate computer data files
5 from one of said data storage device as a source to a second data storage device as a target by:
requesting data from a source volume on the source data storage device, as a bit image of a logical volume; and
outputting the data to a target volume and requesting the data to be written on the
10 target data storage device as a bit image of the logical volume.
2. The computer system of claim 1 wherein the computer system is adapted to request data on the source storage device as a bit image of a logical volume, cylinder by cylinder, track by track, and bit by bit, and to thereafter write the data to the target data
15 storage device as a bit image of a logical volume, cylinder by cylinder, track by track, and bit by bit.
3. The computer system of claim 1 wherein the computer system is adapted to migrate logical volumes in accordance with a map file having source and target volume
20 parameters.
4. The computer system of claim 1 wherein the logical volume comprises a physical volume.
- 25 5. The computer system of claim 1 wherein the computer system is adapted to receive updates during migration.

6. The computer system of claim 5 wherein the computer system is further adapted to place a busy condition on the source volume after data migration and setting a SCSI ID to identify the target volume for access.

5 7. The computer system of claim 1 wherein the computer system is adapted to receive updates during migration by placing a busy condition on the source volume after data migration, and setting a SCSI ID to identify the target volume for access, and repeating the process on a logical volume by logical basis, whereby a user accesses data from the source volume and moves off of it at substantially the same time.

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8. The computer system of claim 1 wherein said computer data files are accessible to an end user from either data storage device.

9. A method of migrating computer data files between a source data storage device
15 and a target data storage device comprising:

requesting data from a source volume on the source data storage device, as a bit image of a logical volume; and

outputting the data to a target volume and requesting the data to be written on the target data storage device as a bit image of the logical volume.

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10. The method of claim 9 comprising requesting data on the source storage device as a bit image of a logical volume, cylinder by cylinder, track by track, and bit by bit, and to thereafter write the data to the target data storage device as a bit image of a logical volume, cylinder by cylinder, track by track, and bit by bit.

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11. The method of claim 9 comprising migrating logical volumes in accordance with a map file having source and target volume parameters.

12. The method of claim 9 wherein the logical volume comprises a physical volume.
13. The method of claim 9 comprising receiving updates during migration.
- 5 14. The method of claim 13 comprising placing a busy condition on the source volume after data migration and setting a SCSI ID to identify the target volume for access.
- 10 15. The method of claim 9 comprising receiving updates during migration, placing a busy condition on the source volume after data migration, and setting a SCSI ID to identify the target volume for access, and repeating the process on a logical volume by logical basis, whereby a user accesses data from the source volume and moves off of it at substantially the same time.
- 15 16. The method of claim 9 wherein said computer data files are accessible to an end user from either data storage device.
17. A signal bearing medium tangibly embodying a program of machine-readable instructions executable by a digital processing system to migrate data from a source data storage device to a target data storage device by:
- 20 requesting data from a source volume on the source data storage device, as a bit image of a logical volume; and
- outputting the data to a target volume and requesting the data to be written on the target data storage device as a bit image of the logical volume.
- 25 18. The signal bearing medium of claim 17 wherein the machine-readable instructions when executed cause the digital processing system to migrate data from a source data storage device to a target data storage device by migrating data from a source data

storage device to a target data storage device by requesting data on the source storage device as a bit image of a logical volume, cylinder by cylinder, track by track, and bit by bit, and to thereafter write the data to the target data storage device as a bit image of a logical volume, cylinder by cylinder, track by track, and bit by bit.

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19. The signal bearing medium of claim 17 wherein the machine-readable instructions when executed cause the digital processing system to migrate data from and to logical volumes in accordance with a map file having source and target volume parameters.

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20. The signal bearing medium of claim 17 wherein the logical volume comprises a physical volume.

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21. The signal bearing medium of claim 17 wherein the machine-readable instructions when executed cause the digital processing system to migrate data while receiving updates during migration.

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22. The signal bearing medium of claim 21 wherein the machine-readable instructions when executed cause the digital processing system to migrate data, placing a busy condition on the source volume after data migration, and setting a SCSI ID to identify the target volume for access.

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23. The signal bearing medium of claim 17 wherein the machine-readable instructions when executed cause the digital processing system to migrate data including receiving updates during migration, placing a busy condition on the source volume after data migration, and setting a SCSI ID to identify the target volume for access, and repeating the process on a logical volume by logical basis, whereby a user accesses data from the source volume and moves off of it at substantially the same time.